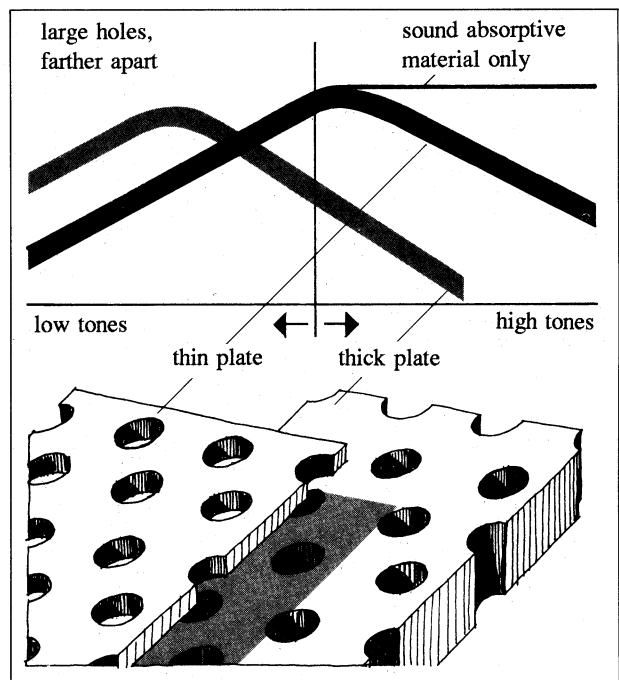
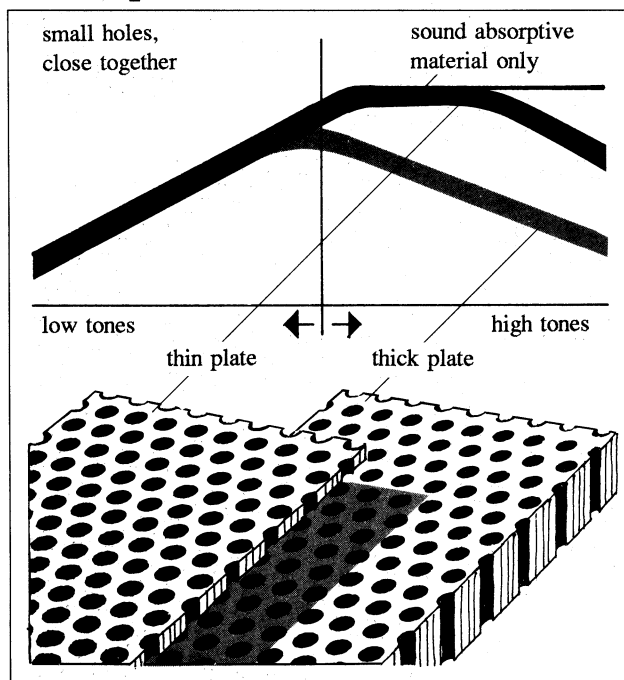


## COVER LAYERS WITH LARGE PERFORATIONS MAY BE USED WITHOUT REDUCING ABSORPTION

For a variety of reasons, a covering material may be needed to protect a porous sound absorptive material. This can be done without reducing the effectiveness of the absorptive material if the covering has a sufficient number of openings. For example, a 15% open area is sufficient for a 1 mm thick sheet-metal layer. The thicker the cover layer, the larger the number of perforations that will be required. It is better to perforate with many small holes than with a smaller number of large holes.

### Principle



## Application of wall and ceiling sound absorptive materials

### Example

Sound absorptive material is required on many wall and ceiling surfaces in a building. To provide a more attractive environment, it is desirable to have many absorbers with different appearances.

### Control Measure

The same porous material is used on all surfaces, with varying thicknesses. Different covering materials provide the desired variation in appearance.

sound absorptive material

